

Appl. No. 10/574,679
Amendment dated 5/27/2008
Reply to Office Action of 01/25/2008

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Amendments to the Claims

1. *(Previously amended)* A polymeric product having oil repellent properties comprising an amino-functional polysiloxane (A) bonded through its amino groups to an addition copolymer (B) of (B1) a fluoro-substituted alkyl ester of an olefinically unsaturated carboxylic acid and (B2) an olefinically unsaturated monomer having a functional group capable of reacting with the amino groups of polysiloxane (A) and optionally (B3) one or more olefinically unsaturated comonomers.
2. *(Previously Amended)* A polymeric product according to Claim 1 wherein the amino-functional polysiloxane (A) is a polydiorganosiloxane containing aminoalkyl groups of the formula $R-(NH-A')_q-NH-A-$ attached to silicon, wherein A and A' are each independently a linear or branched alkylene group having 1 to 6 carbon atoms; $q = 0-4$; and R' is hydrogen or an alkyl or hydroxyalkyl group having 1 to 4 carbon atoms.
3. *(Currently Amended)* A polymeric product according to Claim 1 wherein the fluoro-substituted alkyl ester monomer B1 is an acrylate or methacrylate ester of the formula $CH_2=C(R'')COO-D-R_f$ or $CH_2=C(R'')COO-R_f$ where R_f is a branched or linear fluoroalkyl group having 3 to 21 carbon atoms, R'' is H or methyl, and D is a divalent organic group.
4. *(Previously Amended)* A polymeric product according to Claim 1 wherein the monomer B2 is a substituted alkyl acrylate or methacrylate ester wherein the substituent in the alkyl group is a functional group capable of reacting with the amino groups of polysiloxane (A).

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5. *(Previously Amended)* A polymeric product according to Claim 1 wherein the amino-functional polysiloxane (A) is bonded to the copolymer (B) by
-N(R)-CH₂-CHOH- linkages derived from reaction of the amino groups of (A) with epoxide groups in the copolymer (B), where R is hydrogen or an alkyl or hydroxyalkyl group having 1 to 4 carbon atoms.
6. *(Previously Amended)* A polymeric product according to any Claim 1 wherein the functional group in monomer (B2) capable of reacting with the amino groups of polysiloxane (A) is an anhydride, lactone, imide, carboxylic acid group, isocyanate or blocked isocyanate.
7. *(Previously Amended)* A polymeric product according to Claim 1 wherein the copolymer (B) contains a comonomer (B3) which is an alkyl acrylate or methacrylate having 1 to 30 carbon atoms in the alkyl group.
8. *(Previously Amended)* A process for the preparation of a product having oil repellent properties wherein an amino-functional polysiloxane (A) is reacted with an addition copolymer (B) of (B1) a fluoro-substituted alkyl ester of an olefinically unsaturated carboxylic acid and (B2) an olefinically unsaturated monomer having a functional group capable of reacting with the amino groups of polysiloxane (A) and optionally (B3) one or more olefinically unsaturated comonomers.
9. *(Original)* A polymeric product having oil repellent properties prepared by the process of Claim 8.
10. *(Previously Amended)* A textile treatment composition comprising a polymeric product according to Claim 1.

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11. *(Previously Amended)* A process for rendering a fabric hydrophobic and oleophobic wherein a polymeric product according to Claims 1 is applied to the textile fabric.
12. *(Previously Amended)* A process for rendering leather hydrophobic and oleophobic wherein a polymeric product according to Claim 1 is applied to the leather either during wet end processing or leather finishing.
13. *(Previously Amended)* A process for rendering paper hydrophobic and oleophobic wherein a polymeric product according to Claim 1 is applied to the paper.